

**MONTEREY BAY NATIONAL MARINE SANCTUARY  
OFFICE REPORT**

June 23, 2003-September 29, 2003

**Management**

Congressman Farr spoke at the public event on the Sanctuary Scenic Trail at Moss Landing Marine Laboratory on Saturday, August 16, 2003.

At the request of Congresswoman Capps, Bill Douros attended a briefing with Bill Hogarth in Santa Barbara/CINMS on August 26, 2003 to discuss Fisheries-related and Sanctuary-related issues.

On September 2, Bill Douros, MBNMS Superintendent, met with representatives from the Monterey Bay Aquarium Research Institute and Texas A&M University to discuss potential permitting and NEPA issues related to a proposal to drill a scientific bore hole as part of NSF Offshore Drilling Program in a National Marine Sanctuary. If approved, it would be drilled in September 2004 or November 2005.

From September 8-12, Bill Douros attended the National Marine Sanctuary Program's Leadership Team meeting in Boston, MA. Of the dozens of topics discussed, some key issues included closeout of FY '03, planning for FY '04, new re-organization of efforts at NOAA HQ, reauthorization of the NMSA, the NMSP small boats program and plans for a NMSP Marine Archeology Center.

The MBNMS announced on Saturday, September 27, 2003, that the City of Santa Cruz's proposed site, the Fun Spot, has been selected as the preferred site to pursue an MBNMS Interpretive Center.

**Joint Management Plan Review**

On June 18, Sanctuary staff met with the NCCOS biogeography team to outline a completion process for the JMPR Biogeographic Assessment and begin planning for a potential Phase II of this effort. For more information, contact Erica Burton at (831) 647-4246 or Sean Morton at (831) 647-4217.

Chris Coburn, Water Quality Protection Program Director, and Holly Price, Resource Protection Coordinator, conducted a meeting in San Francisco with the California Coastal Commission to discuss revising the Water Quality Memorandum of Agreement with them and other state agencies as part of the JMPR, and to review and discuss their comments on other JMPR action plans. For more information, contact Chris at (831) 420-1670.

On June 19, 2003 Rachel Saunders, MBNMS Community and Public Relations Coordinator, did a live radio interview on KUSP's "Talk of the Bay" (NPR station in Santa Cruz). The 25 minute interview focused in a general way on the management plan review process (reviewing the process, where we are in the process, next steps), the recently released proposed action plan report and the role of the public in shaping the future of the sanctuary. Special emphasis was on

the upcoming SAC meetings in Monterey on June 26-27 and Santa Cruz on July 30-August 1. Bill Douros was also interviewed on this program on July 29th. The interview went into more depth on the content of the proposed action plans. For more info, contact Rachel at 647-4237.

The Ocean Conservancy and Save Our Shores hosted a public workshop on the JMPR in Half Moon Bay on July 16 and will host another workshop on July 22 in Monterey. These workshops organized by the environmental organizations are intended to provide information on the topics identified as priorities by the Sanctuary's Conservation Working Group and to invite public comment at the upcoming July 30 public hearing on the JMPR for the SAC. For more information, contact Holly Price at (831) 647-4247.

On August 20, Scott Kathey and Sean Morton hosted a conference call of the MPWC Working Group to consider a recent SAC member proposal that an MPWC rescue team be allowed to stage at the Mavericks surf break during any breaking surf conditions to provide standing rescue assistance for paddle surfers. The group agreed that the concept should be explored further. Over the next few weeks, MBNMS staff will be preparing materials for the next meeting of the MPWC working group. The group will complete deliberations prior to the October SAC meeting.

On September 3, Rachel Saunders, Liz Love, Dennis Long, MBS Foundation, and Scott Kimura, Tenera Environmental Consulting Services, met with the Pacific Grove City Manager, Police Captain and City Attorney to provide the City with an overview of the Human Impact Study at Point Pinos Tidepools. Scott reviewed and reported the study results and Liz gave an overview of the JMPR process and the MBNMS Tidepool Protection Draft Action Plan including the education strategies the Sanctuary will undertake next year. The City Manager requested that we give a similar presentation at a special "informational" meeting for all City Council members in late September. For more information, contact Liz at (831) 647-4255.

Chris Coburn, Brad Damitz and Holly Price met with AMBAG to discuss revising the Water Quality MOA as part of the JMPR, and to initiate coordination on a fall regional workshop focused on desalination. For more information, contact Chris at (831) 420-1670.

At the direction of the Sanctuary Advisory Council, the Special Marine Protected Areas working group met on September 25th. The purpose of the meeting was to try and reach consensus on a revised goal statement for the SMPA Action Plan and to agree on the Sanctuary's potential role in MPA designation and implementation. The group was able to reach a tentative consensus on the wording of the goal statement pending further discussion concerning the roles and authorities of the Sanctuary, which will take place on October 17th. For more information, contact Holly Price at (831) 647-4247.

On Wednesday, September 23, Bill Douros and Sean Morton attended a meeting of the Association of Monterey Bay Area Governments (AMBAG) to discuss the progress in the Joint Management Plan Review and how the MBNMS is addressing the concerns and issues raised by AMBAG throughout the JMPR process. AMBAG also discussed the location of the proposed MBNMS Visitor Center. For more information, contact Sean at (831) 647-4217.

On Thursday, September 24, Sean Morton provided a presentation to the Monterey Bay chapter

of the American Cetacean Society (ACS) describing the various issues being addressed in the Joint Management Plan Review, their importance and how ACS members can get involved. For more information, contact Sean at (831) 647-4217.

On Friday, September 25, Sean Morton represented the MBNMS at the Big Sur Multi Agency Advisory Council which is chaired by Congressman Sam Farr and County Supervisor Dave Potter. Sean provided an update on the JMPR and the current MBNMS research cruise which is investigating impacts along the Big Sur Coast related to California Dept. of Transportation highway repair and landslides along Highway 1. For more information, contact Sean at (831) 647-4217.

On September 23rd, Dennis Long from the Monterey Bay Sanctuary Foundation and Scott Kimura from the consulting firm Tenera presented the results of a human impacts study on Point Pinos tidepools to the Pacific Grove City Council. The study, funded by the MBNMS and the Packard Foundation, revealed some impacts from trampling in the high intertidal, but generally found the highly visited area to be in similar condition to less frequented locations. Resource Protection Coordinator Holly Price then briefed the Council regarding the strategies and activities relating to tidepool protection developed as part of the Joint Management Plan Review. The report is available at <http://www.mbnmsf.org/pages/programs/ptpinos.html>. For more information, contact Holly Price at (831) 647-4247 or Andrew DeVogelaere at (831) 647-4213.

### **Education and Outreach**

On June 19, education staff (along with honorary member Deirdre Hall) led a tide pool field trip at Pt. Pinos for 40 Latino students who are participating in the Monterey County Office of Education Migrant Education Program. For more information, contact Liz Love at [liz.love@noaa.gov](mailto:liz.love@noaa.gov)

On June 18th, Nicole Capps, Rachel Saunders, Sean Morton, Dawn Hayes, Julie Barrow and Stephanie Harlan met with the new Sanctuary Advisory Council Citizen At-Large members, Mike Laffen and Meg Delano. They discussed the many types of outreach that the MBNMS is presently doing and will be doing in San Mateo County and how they could help. Strengthening the business relationships in the San Mateo County were also discussed. Staff answered any questions that they had regarding the draft action plans that recently came out. For more information, contact Nicole at (831) 647-4206.

On June 21st, eight volunteers from Salinas assisted by Lisa Emanuelson, Resource Issue Education Specialist, stenciled storm drains in the Constitution/Independence Street area. Final numbers are not in yet but at least 26 storm drains were stenciled using supplies from the MBNMS and the City of Salinas. For more information, contact Lisa at (831) 372-7918.

Lisa Emanuelson and Mary Welsh, MATE, attended a National Ocean Science Bowl (NOSB) meeting to discuss diversity issues around the NOSB and local Otter Bowl. Strategies were developed to increase diversity of under represented students at the Otter Bowl and other NOSB events. For more information, contact Lisa at (831) 372-7918.

On June 25, Liz Love, Education Specialist, and Michelle Templeton, Bilingual Education Specialist, presented marine mammal and ocean conservation activities to 28 Salvation Army campers in Seaside. During the closing, staff handed out bilingual coloring books and pencils to each participant. For more information, contact Michelle at (831) 566-7569.

On July 15, MERITO staff participated in the Monterey Bay Aquarium's Young Women in Science program. Michelle Templeton led rotations of 37, 7th - 10th grade girls focusing on aquatic invasives of the Elkhorn Slough system. For more information, contact Michelle (831) 566-7569.

Karen Grimmer, representing MBNMS, co-authored a publication in Basic and Applied Ecology entitled "Patterns and processes of biological invasion: The Chinese mitten crab in San Francisco Bay." The article described the distribution, population dynamics and life history attributes of the mitten crab in the SF Bay and its tributaries from 1995 to 2001. For more information, contact Karen at (831) 647-4253.

Seaberry Nachbar met with the education coordinator from the Maritime Museum of Monterey to discuss Mariners in Classrooms, which is a part of the Bay Watershed Education and Training (B-WET) Program. Mariners in Classrooms is a program designed to introduce middle school students to the rich and diverse history of fishing and fishermen in the Monterey Bay. Starting as a pilot program, six fishermen will receive compensation and travel pay to provide presentations to the students and teachers about their work, including the natural history, socio-economics, oral history, etc. The trips are scheduled to begin in the spring as part of the Maritime Museum of Monterey's Living History Lab. For more information, contact Seaberry at (831) 647-4204.

MBNMS education staff supported the Santa Cruz County Fair's "Water World" program by providing two consecutive days of sanctuary-related activities for visiting teachers and school groups. 3,500 student passports were completed during the 2-day event. Students learned all about the importance of water and watersheds through the MBNMS watershed model and a guided "touch and feel box" activity. Staff also handed out Coastal Cleanup Day flyers and other educational materials. For more information, contact Michelle Templeton, Bilingual Education Specialist, at (831) 566-7569.

On August 28, Michelle Templeton presented the MBNMS watershed model to 23, 2nd graders at Bardin Elementary School in Salinas. For more information, contact Michelle at (831) 566-7569.

Dawn Hayes, Education & Outreach Coordinator, met with Rick Hanks, Manager of BLM's California Coastal National Monument and representatives from the BLM's California State Office on September 3<sup>rd</sup> and 4<sup>th</sup> to discuss the opportunities for interpretive partnerships along the central California Coast. Alex Young and Donna Smith provided insight on the required federal guidelines and evaluation mechanisms used by BLM, and other DOI offices, for signage and interpretation and have made themselves available for future development and design consultation. For more information, contact Dawn at (831) 647-4256.

On September 3rd, Michelle Templeton presented to 33, 6th - 8th grade students to kick off the first meeting of Pájaro Middle School's after school Watershed Institute. This marks the second year of programming using MERITO's Teacher Activity Guide. Two Pájaro Watershed Institute classes are being held this year since enrollment has doubled since last year's program. For more information, contact Michelle at (831) 566-7569.

The MERITO team welcomed back California State University Monterey Bay intern Claudia Pineda, for a second internship through the NOAA-supported partnership with MERITO and CSUMB. Claudia and Michelle Templeton attended two evenings of Coastal Cleanup Beach Captain Trainings to prepare for the event on September 20th. Both will serve as bilingual site captains, and enhanced support for our Spanish speaking public. For more information, contact Michelle at (831) 566-7569.

On September 18, MERITO staff gave a presentation to 39 English language learners in the Watsonville Adult Education program. The presentation was followed by a watershed model demonstration. All participants received free passes to the Elkhorn Slough Natural Estuarine Research Reserve. Students were also given the opportunity to sign up for MERITO's free Kayak Day on October 5th. For more information, contact Michelle Templeton (831) 566-7569.

On September 20, MERITO staff worked as beach captains for the annual International Coastal Cleanup Day in an effort to increase community participation. The day was promoted through Spanish radio PSA's and bilingual flyers were distributed throughout Watsonville and Pajaro. 123 volunteers came out to Salinas River State Beach in Moss Landing and helped pick up trash and debris along their coastline. In addition, MBNMS co-sponsored the Monterey County effort at 26 sites with over 1,500 volunteers picking up 8,385 pounds of trash and 1,880 pounds of recyclables. For more information, contact Karen Grimmer at (831) 647-4253.

Camp SEA Lab, an exciting, hands-on marine science camp for youth ages 8-13 held a full line-up of both day and residential camps throughout the summer. Education and Outreach staff Liz Love and Michelle Templeton helped out at Elkhorn Slough the week of June 16, and helped with the program on & off during the summer. Five weeks of day camps were held at different locations each week: Point Lobos State Park, Elkhorn Slough Reserve, Moss Landing Marine Labs, Hopkins Marine Station and Seacliff State Beach in Santa Cruz. Five weeks of residential camps were based from either California State University Monterey Bay or UC Santa Cruz depending on the week. For more information, contact Liz at [liz.love@noaa.gov](mailto:liz.love@noaa.gov) or visit [campsealab@csUMB.edu](http://campsealab@csUMB.edu).

On June 25th, Lisa Emanuelson, Resource Issue Education Specialist, assisted Michele Roest at Camp Ocean Pines, with the LiMPETS Sand Crab Monitoring Program. Sand Crabs were monitored along the San Simeon State Beach by 24 students attending Camp Ocean Pines for the week. For more information, contact Michele at (805) 927-2145.

Michele Roest traveled to Wilmington, NC the week of July 21<sup>st</sup> to represent the MBNMS at the National Marine Educator's conference. Michele was a presenter at two workshops: "*LiMPETS: Long Term Monitoring Program and Experiential Training for Students*" with Jennifer Stock from the Cordell Bank NMS, and "*Exploring the Davidson Seamount*." For more information, contact Michele at 805-927-2145.

On Thursday, July 17 and Friday July 18, MERITO staff gave presentations on watershed and marine protection to 33 beginning English language learners from Watsonville Adult Education. The presentation was followed by an interactive watershed model demonstration. Participants received free passes to the Elkhorn Slough Estuarine Research Reserve. Ongoing presentations are part of a partnership with Watsonville Adult Education. For more information, contact Michelle Templeton at (831) 566-7569.

The Monterey Bay NMS Education staff hosted and attended a Coastal Services Center workshop on Project Design and Evaluation. Twenty-seven participants were exposed to several evaluation models and methodologies, which will strengthen their ability to address issues in meaningful ways, to appropriate audiences, with measurable results. For more information, contact Dawn Hayes at (831) 647-4256.

Julie Barrow and Dawn Hayes, met with Peter Grenell, San Mateo County Harbor District General Manager and Monterey Bay NMS Advisory Council member, regarding the collaborative interpretive signage project along the county's coastline. The Harbor previously received a Coastal Conservancy grant for \$35,000 for signage, which they have yet to develop; the hope is that the two projects can be joined to maximize resources. For more information, contact Julie at (650) 712-8909.

On Sept 25 Lisa Emanuelson and 16 students volunteers, and 2 adults, from Santa Catalina School stenciled 40 storm drains in Seaside. The day was part of a Community Service Day at Santa Catalina School. For more information, contact Lisa at (831) 647-4201.

### **Research and Monitoring**

On June 18, Chad King, SIMoN Data Analyses Specialist, attended a metadata training workshop sponsored by the Central Coast Joint Data Committee at Long Marine Lab in Santa Cruz, CA. The workshop covered the new metadata tools at The California Environmental Resources Evaluation System's recently modified website ([www.ceres.ca.gov](http://www.ceres.ca.gov)). For more information, contact Chad at (831) 647-4248.

On June 19, MBNMS participated in a west coast Sanctuaries conference call on the North Pacific humpback whale population study (SPLASH). For more information, contact Jean deMarignac at (831) 647-4214.

SIMoN is putting the finishing touches on an internal web application (database plus web interface) to track monitoring projects in the Sanctuary, called the Project Data Entry and Reporting Module (PDERM). By mid-July a series of web forms will be available for selected researchers to submit their monitoring information to SIMoN / PDERM. The information stored in PDERM will be used to populate the public SIMoN website which is scheduled to launch October 31.

From July 14-16, Chad King and Josh Pederson, SIMoN Outreach Specialist, attended internet mapping service software training in Redlands, CA. Instruction was led by the Environmental Systems Research Institute (ESRI, [www.esri.com](http://www.esri.com)), a leading provider in geographic information

systems (GIS) software. They will apply this training to the development of SIMoN's interactive mapping capability. For more information, please contact Chad at (831) 647-4248.

From July 7-11, Chad King attended the Environmental Systems Research Institute's (ESRI) 23rd annual international user's conference in San Diego, CA. More than 10,000 geographic information systems (GIS) professionals were in attendance. For more information, please contact Chad at (831) 647-4248

The Center for Integrated Marine Technologies (CIMT) received notification from NOAA that Year 2 was approved at \$1,987,000 and had a start date of August 1, 2003. Consisting of the Monterey Bay National Marine Sanctuary, University of California at Santa Cruz, Moss Landing Marine Laboratories, Navy Postgraduate School, and the Monterey Bay Aquarium Research Institute, CIMT is leading the effort to integrate ship board surveys, mooring data, and remote sensing within the Monterey Bay ecosystem. Commonly referred to as "From Wind to Whales", CIMT will explicitly link new technologies across disciplines of marine science to address key questions for marine resource managers. CIMT promises to form an innovative new approach to understanding how key marine resources – fisheries, seabirds, sea turtles, and marine mammals – respond to short and long-term changes in physical oceanographic processes such as El Niño events, decadal oscillations, and long-term climate change. For more information, contact Steve Lonhart at (831) 647-4222.

Recent SIMoN web development highlights include: the database is complete and ready to be loaded with Sanctuary monitoring project data; infoShare, a SIMoN developed web interface, is ready for use by scientists in to submit summary data of their monitoring projects; the MBNMS Education Team is gathering material for education links to be associated with the different habitat sections of the SIMoN web site. Current schedule for SIMoN website launch is late-October, 2003. For more information, contact Josh Pederson at (831) 647-4260.

The MBNMS has been allocated 25 days of McArthur II ship time for April 2004. This is a huge increase from previous years. For more information, contact Jean de Marignac at (831) 647-4214.

MBNMS staff is reviewing a draft version of the BeachCOMBERS volunteer monitoring program website created by the NOAA Coastal Services Center. The volunteer data entry tool is currently under construction, and when complete will link to the MBNMS SIMoN website. For more information, contact Erica Burton, Research Specialist, at (831) 647-4246.

MBNMS staff submitted two chapters for the California and the World Oceans Conference Proceedings: DeVogelaere et al. on "Exploring the Davidson Seamount: combining science, public outreach, and resource management" and Paduan et al. "Ocean Observing and Modeling System Developments around Monterey Bay." For more information, contact Andrew DeVogelaere, at (831) 647-4213.

The Sanctuary Integrated Monitoring Network (SIMoN) and the Monterey Bay Aquarium Research Institute (MBARI) have collaborated to create a postdoctoral appointment in the area of coastal ocean physical and biological coupling. Funded by SIMoN, the postdoctoral fellow will be responsible for synthesis of oceanographic data collected in the waters of the MBNMS

and contiguous waters of the California Current. In particular, the fellow will use historic and recent CalCOFI data and recently collected MBARI data. This fellow will work with oceanographers and biologists conducting monitoring of Monterey Bay and central California waters. Partners include scientists from the California Cooperative Oceanic Fisheries Investigation (CalCOFI); the Center for Integrated Marine Technologies (CIMT); the Pacific Coastal Observing System (PaCOS, formerly known as the Alliance for California Current Ecosystem Observations [ACCEO]), and the National Marine Fisheries Service (NMFS). The position is for one year with renewals up to a total of three years, depending on performance and availability of funds. For more information, contact Steve Lonhart at (831) 647-4222.

The Sanctuary Integrated Monitoring Network (SIMoN) has recently selected a proposal submitted Dr. Rikk Kvitek of California State University Monterey Bay (CSUMB) to survey and map poorly characterized regions within the Monterey Bay National Marine Sanctuary (MBNMS) at depths <80 m up to the intertidal. There is a clear need for more comprehensive physical, geological, chemical, and biological mapping and characterization in order to effectively monitor Sanctuary resources. Detailed maps of bathymetry and seafloor characteristics are essential for effectively managing habitats and resources (e.g., within marine protected areas), and are a basic foundation on which other data can be interpreted. It is expected that this new effort will: (1) produce high-resolution (<5 m) marine maps, (2) complement the existing data collected by other agencies, (3) conform to NOAA mapping standards, (4) ground-truth acoustic imagery using sediment grabs and/or video of the seafloor, and (5) be compatible with web-based display and dissemination. For more information, contact Steve Lonhart at (831) 647-4222.

At a recent Simulated Coastal Ocean Physics and Ecosystems (SCOPE) meeting held at the Monterey Bay Aquarium Research Institute (MBARI), the Sanctuary asked the group to present a case study to staff. Within the next six months, SCOPE personnel, which consists of physical, chemical, and biological oceanographers and ecosystem modelers, will develop the material for the presentation. Possible case study topics include modeling: a recent Harmful Algal Bloom (HAB) that apparently spread from southern California northward; the potential routes of invasion for larvae leaving San Francisco Bay; or doing a risk assessment for oil spills within the Sanctuary. SCOPE is funded by NOPP (National Oceanographic Partnership Program) and includes researchers from several federal agencies and academic institutions. For more information, contact Steve Lonhart at (831) 647-4222.

Jean de Marignac and Steve Lonhart, in collaboration with the Partnership for Interdisciplinary Studies of Coastal Oceans (PISCO), developed the cruise plan for the *R/V Shearwater* cruise which took place September 11-28. The Shearwater is a 62-foot research vessel from the Channel Islands National Marine Sanctuary. The objectives of the cruise were to conduct quantitative subtidal and intertidal site characterizations along the remote coast of Big Sur. The MBNMS Research and Education Teams completed a CD-ROM entitled, "Exploring the Davidson Seamount, version 1.0." The CD describes the expedition, exploratory history of the seamount, biological zonation patterns, and protection options. For more information, contact Andrew DeVogelaere at (831) 647-4213.

On July 28 -August 1, Irina Kogan, MBNMS/MBARI Research Fellow, and Charlie Paull, MBARI, conducted the third of three research cruises to study the environmental impact of the



NOAA-OAR subsea cable stretching 95 km from Half Moon Bay, CA to Pioneer Seamount. Erica Burton was among the ten member science party on the MBARI *R/V Western Flyer*. The cruise focused on an area stretching from 40 km to 95 km offshore on the continental slope and Pioneer Seamount portion of the cable route (140 m to 1900 m water depth range). The crew surveyed 7 locations using the MBARI ROV Tiburon and collected a total of 30 hours of video and 84 soft-sediment push cores. For more information, contact Irina at (831) 647-4228.

The Cooperative for Research and Assessment of Nearshore Ecosystems (CRANE) recently conducted field surveys in the southern-most sections of the Monterey Bay National Marine Sanctuary. CRANE consists primarily of biologists from the California Department of Fish and Game (CDFG) and researchers from the Partnership for Interdisciplinary Studies of Coastal Oceans (PISCO) at the University of California at Santa Cruz. From August 2-8, 2003 CRANE divers sampled the coastal kelp forests near San Simeon and Point Piedras Blancas. By sampling benthic invertebrates, substrate type, algae, and the associated fish assemblages, CRANE divers intend to collect data on fish abundances, habitat characteristics, and trends in both space and time. With research partners from academic, state and federal institutions, CRANE will collect relevant data to meet the new management and conservation objectives stipulated in California's Marine Life Management Act. For more information, contact Steve Lonhart at (831) 647-4222.

The MBNMS RAP met on August 8 at the MPA Center's Science Institute. The agenda included an institutional update on the Center by Charlie Wahle, a presentation by Josh Pederson and Andrew DeVogelaere on how SIMoN will be tracking and presenting monitoring information, a discussion of developing an ecosystem model of the Monterey Bay (the RAP supported the concept, which will be led by James Harvey of Moss Landing Marine Labs), a review of the SAC meeting regarding the JMPR, and development of a proposed water quality theme for the Sanctuary Currents. For more information, contact Andrew at (831) 647-4213.

A Beach COMBERS volunteer appreciation was held on August 14. Some volunteers have been with the program since its inception, 6 years ago. The evening event included: a summary of recent program findings, volunteer appreciation gifts, pizza, and a talk on lead contamination of Albatrosses by Myra Finklestein. For more information, contact Andrew DeVogelaere at (831) 647-4213.

Monterey Bay National Marine Sanctuary staff met with California Department of Transportation (CalTrans) and California Coastal Commission staff members on August 12th to discuss the Shoreline Inventory Assessment associated with the Big Sur Coast Highway Management Plan (CHMP). The CHMP covers a 75 mile stretch of the most scenic coastline along central California, encompassing most of the Big Sur region. As a collaborative planning effort to guide overall corridor management, the CHMP includes 15 local, state, and federal agencies. In particular, MBNMS staff is working with CalTrans to select sites for biological and physical characterization. Intertidal and the adjacent nearshore kelp forest sites will be characterized this September by researchers from the Partnership for Interdisciplinary Studies of Coastal Oceans (PISCO) at the University of California, Santa Cruz. For more information, please contact Steve Lonhart, SIMoN Scientist, at (831) 647-4222.

Sean Morton assisted scientists from the Southwest Fisheries Science Center in their continuing program of capturing Pacific Leatherback turtles in Monterey Bay and attaching satellite

transmitters. On August 26th, the team successfully captured a male turtle, took genetic samples, tagged, attached two transmitters, and released the animal back into the ocean. This study is one component of the NMFS Southwest Fisheries Science Center's Sea Turtle Research Program, which partners with the Monterey Bay National Marine Sanctuary, Moss Landing Marine Laboratories, University of California Santa Cruz, and Hubbs Sea World Research Institute. For more information, contact Sean at (831) 647-4217.

On August 18, Chad King successfully defended his master's thesis, entitled "The effects of substratum instability, monomorphic symbiosis and irradiance on the asexual reproduction of a subtropical anemone in the Gulf of California" at Moss Landing Marine Laboratories. For more information, contact Chad at (831) 647-4248.

Jean de Marignac and Dave Lott in collaboration with NOAA pilot LCR Matt Pickett conducted an aerial survey of Elkhorn Slough National Estuarine Research Reserve using LIDAR technology during the first week of September. For more information, contact Jean at (831) 647-4214.

Erica Burton presented a research poster entitled, "Exploring Davidson Seamount: Biological Characterization and Protection," at the 10th Deep-Sea Biology Symposium in Coos Bay, Oregon, August 25-29. The poster, CD-ROM, and draft JMPR Action Plan received most attention and created interest in the Seamount and proposed protection. For more information, contact Erica at 831-647-4246.

Jean de Marignac, SIMoN scientist, and Erica Burton, research specialist, led a research cruise aboard the *R/V Velero IV* from the 17th to the 25th of September. Researchers and observers from six federal and state agencies, including the National Marine Fisheries Service and California Department of Fish and Game, as well as the Moss Landing Marine Laboratories and the Alliance of Communities for Sustainable Fisheries, conducted 30 dives aboard a small submersible in the Monterey Bay National Marine Sanctuary and its vicinity. The cruise consisted of five different projects with some overlapping goals including: assessing the importance of small-scale refugia to species of benthic rockfishes in Soquel Canyon; groundtruthing a seafloor map and surveying demersal fishes and macroinvertebrates in Partington Canyon; site exploration and baseline survey of demersal fishes and macroinvertebrates for a long-term monitoring program in the MBNMS; and characterizing the macrofauna and the archeological remains of the Montebello, an 82 years old oil tanker sunk by a Japanese submarine during World War II. Every submersible dives was videotaped and will be analyzed during the coming months. For more information about the cruise contact Jean at 831-647-4214.

Researchers from the Partnership for Interdisciplinary Studies of Coastal Oceans (PISCO) at the University of California at Santa Cruz teamed with MBNMS scientists and staff to conduct subtidal surveys along the Big Sur coast. The goal of the project was to characterize the coastal environment along areas experiencing erosion and landslides, then use these data to inform decisions regarding the California Department of Transportation's Coast Highway Management Plan. With the Channel Islands NMS *R/V Shearwater* serving as an excellent research platform, divers first completed four days of inventories at 10 sites, then 11 days of quantitative sampling at 11 sites. At each site, one team of divers completed fish surveys at four depths (20, 15, 10, and

5 m) and just below the kelp canopy. A second team quantified habitat topography, abiotic composition (e.g., cobble, reef, boulders, sand), and counted invertebrates and algae in belt transects. In total, over 230 dives were completed. Six of the sites will be re-visited in spring 2004, and a report of the findings will be issued in fall of 2004. For more information, contact Steve Lonhart, SIMoN Scientist, at (831) 647-4222.

Charly Alexander (National Programs Branch Chief) visited with SIMoN staff on September 23 to discuss future collaborations with NODC and potential future links between SIMoN and the system wide monitoring efforts (SWiM). For more information, contact Andrew DeVogelaere at (831) 647-4213.

MBNMS is sharing its research space at Moss Landing Marine Laboratories to help support an international effort to test tagging methods for whales. Monterey Bay was selected as the site for the project because of past and current information on prey availability from NOAA MBNMS projects (Wind to Whales and Center for Integrated Marine Technology). For more information, contact Andrew DeVogelaere at (831) 647-4213.

The second annual symposium on deep sea corals was held this past September in Erlangen Germany, and 19 countries were represented. Andrew DeVogelaere gave a presentation on the distribution and abundance of corals on the Davidson Seamount, and a poster presentation on Davidson Seamount in general. Allan Andrews, Andrew DeVogelaere et al. gave a presentation on age determination of corals from the Davidson Seamount. The presentations were also written in scientific paper format for inclusion into the proceedings book publication. Deep sea corals are a growing topic of interest for resource management, and there was much interest in the Central California area (the next meeting is likely to be in Asilomar, California). For more information, contact Andrew at (831) 647-4213.

\$589,712 of mitigation funds associated with the Duke Powerplant upgrade have been approved for a purchase of the Sea Mist Farms/Tottino property. For more information, contact Andrew DeVogelaere at (831) 647-4213.

## **Resource Protection**

A U.S. Navy explosive ordinance disposal team began investigating reports of additional unexploded ordinance within Pillar Point Harbor on June 23. A torpedo was previously recovered from the harbor the week before. The team located additional munitions in the harbor, they transported the ordinance through the Sanctuary and detonated it at a location 2 miles outside the MBNMS (north of Point San Pedro).

Chris Coburn, Water Quality Protection Program Director, and Bridget Hoover, Sanctuary Citizen's Watershed Monitoring Network Coordinator, attended the California Coastal Commission's (CCC) presentation of their Critical Coastal Areas (CCA) program. The CCA program is designed to facilitate collaboration amongst local stakeholder and government agencies to better coordinate resources and focus efforts on coastal-zone watershed areas in need of protection from polluted runoff. For more info contact Chris at (831) 420-1670.

Chris Coburn and Bridget Hoover attended the Monterey County Watershed Information

Exchange. The exchange included representatives from the Resources Agency, Coastal Commission and Coastal Conservancy, and local watershed groups. Bridget gave a brief overview of the Statewide Coastal Snapshot Day, an event in which over 650 volunteers sampled waterbodies from the Oregon border to Mexico. For more information contact Chris at (831) 420-1670.

Brad Damitz, Assistant Management Plan Coordinator, attended a meeting of the State of California Desalination Taskforce in Carlsbad, on June 24-25, focused on the environmental impacts of desalination. The taskforce was created by state legislation to make recommendations related to potential opportunities and impediments for the use of desalination, and what role, if any, the state should play in furthering the use of desalination. Brad was appointed to the taskforce as a representative of NOAA. For more information, contact Brad at (831) 647-4252.

Robert Ketley, Technical Consultant to Sanctuary's Water Quality Protection Program, delivered a presentation to the Public Works Commission for the City of Santa Cruz discussing structural/non-structural stormwater best management practices which can reduce urban runoff and coliform contamination. For more information contact Chris Coburn at (831) 420-1670.

Water Quality Protection Program staff and SIMoN staff met with the Regional Water Quality Control Board Regional Monitoring Program staff to initiate an effort to integrate water quality data with the SIMoN biological data layers. For more information, contact Chris Coburn at (831) 420-1670.

MBNMS staff contracted for and oversaw the removal of the removal of the hull and associated debris of *S/V Wideload*, a 27-ft sailboat, which ran aground in the early morning of July 5<sup>th</sup>, on the beach south of Moss Landing. For more information, contact Huff McGonigal at (831) 647-4254.

Katie Siegler, Agriculture Water Quality Coordinator, and Holly Price, Resource Protection Coordinator, convened a meeting of the six Resource Conservation Districts that work with farmers and ranchers in the watersheds draining to the Sanctuary. The meeting focused on pathways for increased collaboration, including a plan for increased communication amongst the Districts and between agencies working on the Sanctuary's Agriculture and Rural Lands Action Plan. Regional funding strategies for partners were also discussed along with an upcoming grant proposal to the Coastal Conservancy. For more information, contact Katie at (831) 647-4219.

The Central Coast Regional Water Quality Control Board gave final approval by vote at their recent Board meeting to allocate funding from a settlement with PG&E towards implementation of the Sanctuary's Agriculture and Rural Lands Plan and water quality monitoring on the Central Coast. Four million dollars to implement agricultural runoff control projects will be overseen by the Community Foundation of Monterey County, and one million will be used by the RWQCB to assess contaminant levels in local tributaries. For more information, contact Katie Siegler at (831) 647-4219.

Save Our Shores provided a demonstration on a project that is nearing completion under contract for the Sanctuary which provides a software template for logging and summarizing incoming calls on the Sanctuary Watch hotline from the public regarding observed Sanctuary violations.

The new system will help summarize the types of calls, their geographic location and provide information for adequate follow up. For more information, contact Scott Kathey at (831) 647-4251.

Chris Coburn and Holly Price conducted a meeting in Oakland with the San Francisco Regional Water Quality Control Board to discuss revising the Water Quality Memorandum of Agreement. For more information, contact Chris at (831) 420-1670

Chris Coburn attended the inaugural meeting of the California Watershed Council (CWC) in Sacramento. The CWC, recently established by a MOU between the Resources Agency and Cal. EPA, is a stakeholder advisory group tasked with guiding the implementation of California's watershed programs, and ensuring that the programs and grant funding of each agency is integrated and coordinated. For more information, contact Chris at (831) 420-1670.

Bridget Hoover assisted the Coastal Watershed Council with a two-day "Train-the-Trainer" workshop for their Clean Streams Watershed Coordinators. For more information, contact Bridget at (831) 883-9303.

Bridget Hoover and Chris Coburn met with the Pacific Grove Public Works Director to plan and implement an upstream monitoring program to assess where the high bacteria levels are coming from in their storm drain system. For more information, contact Bridget at (831) 883-9303 or Chris at (831) 420-1670.

Bridget Hoover, as well as representatives from the California Coastal Commission and Coastal Watershed Council, met with the Program Director for the CA State Water Resource Control Board's Statewide Ambient Monitoring Program. The main discussion was how to integrate citizen monitoring into the statewide program. For more information, contact Bridget at (831) 883-9303.

In early August, Huff McGonigal, attended a three day meeting of the Pacific Fishery Management Council's Science and Statistical Committee. The Committee outlined criteria that will be used to evaluate proposals for marine protected areas that come before the Council. For more information, contact Huff at (831) 647-4254.

The MBNMS has learned that a tentative proposal by Peter Brown to film white sharks near Ano Nuevo as part of a Discovery Channel program includes the manufacture and deployment of a life-sized animatronic white shark as part of the proposed project. Scott Kathey informed Mr. Brown that should the MBNMS conclude that the shark replica would alter natural white shark behavior, the MBNMS would not be inclined to issue a permit for attraction; however, MBNMS will reserve any final determination pending submission of a formal project proposal. Scott also informed Mr. Brown of the recent NOAA enforcement action and public controversy surrounding a white shark filming project at Ano Nuevo. For more information, contact Scott at (831) 647-4201.

Chris Coburn and Holly Price conducted a meeting in San Francisco with the U.S. EPA focused on revising the Water Quality Memorandum of Agreement. For more information, contact Chris at (831) 420-1670.

Robert Ketley, Technical Consultant to the Sanctuary's Water Quality Protection Program, delivered a presentation promoting stormwater pollution prevention awareness to approximately 25 members of the City of Santa Cruz's Public Works field staff. For more information, contact Chris Coburn at (831) 420-1670.

Holly Price, Chris Coburn and Bridget Hoover, met at the Sanctuary's main office to provide an overview of the Sanctuary and WQPP to Marilyn Smulyan of the Resources Legacy Fund (RLF). The RLF is an independent, non-profit organization dedicated to supporting projects that protect and enhance marine systems. They are interested in potential collaborative watershed efforts in the central coast region. For more information, contact Holly at (831) 647-4247.

Katie Siegler attended the Estuarine Research Federation Conference, "Convergence of Ocean, Land and Culture" in Seattle. Over 1,500 people attended the sessions on water quality, estuarine dynamics and coastal management. For more information, contact Katie at (831) 647-4219.

Scott Kathey gave a presentation about the MBNMS and NMS damage assessment needs at the West Coast Rapid Assessment Program Workshop put on by the NOAA Damage Assessment Center at Asilomar Conference Center, Pacific Grove. Scott highlighted unique damage assessment needs of Sanctuaries, such as assessment of raw sewage spills and constant small vessel groundings. For more information, contact Scott at (831) 647-4201.

Scott Kathey attended the bimonthly meeting of the Central Coast Oil Spill Contingency Area Committee and reported recent findings regarding multi-agency jurisdiction and authority with regard to vessel groundings and subsequent salvage activities. Scott chairs a subcommittee formed to improve inter-agency response to small vessel groundings within the Sanctuary. For more information, contact Scott at (831) 647-4201.

The MBNMS is investigating two incidents where container ships were reported operating inshore of the IMO declared shipping lanes within the Sanctuary. The MBNMS will coordinate with the Coast Guard Marine Safety Office, San Francisco in the investigation. For more information, contact Scott Kathey at (831) 47-4201.

Brad Damitz attended the fourth meeting of the California Water Desalination Task Force, which was held in Monterey on August 26-27. Brad led the Task Force members and guests on a tour of the Monterey Bay Aquarium on the morning of the 26th, highlighting sensitive habitats that may be adversely affected by desalination activities. The task force was created by state legislation, to develop a report to the state legislature on the opportunities and impediments to the use of desalination for some of the state's water supply, as well as what role, if any, the state should play regarding desalination. For more information, contact Brad at [brad.damitz@noaa.gov](mailto:brad.damitz@noaa.gov).

On Friday August 15th, Chris Coburn gave a talk to approximately 65 members of the Santa Cruz Rotary Club. The talk consisted of an overview of the Monterey Bay National Marine Sanctuary, with a particular emphasis on the Water Quality Protection Program. For more information contact Chris at (831) 420-1670.

On August 16, the 57-ft *S/V EIGHT WIND* lost power, then steerage and ran aground on a rocky reef adjacent to Asilomar State Beach. The fiberglass vessel was completely destroyed. There were no injuries or fatalities. The vessel was insured. Scott Kathey and Mark Pickett have conducted survey dives at the impact site. A significant portion of rocky intertidal habitat was destroyed by the grounding and subsequent salvage operations. Video and still photography of the damage has been collected. NOAA OLE is investigating the incident.

Deirdre Hall, Permit Coordinator, and Sean Morton, Management Plan Coordinator, attended a multi-agency training session on the Endangered Species Act and Essential Fish Habitat Consultations hosted by NOAA Fisheries on August 26th. For more information, contact Deirdre at [deirdre.hall@noaa.gov](mailto:deirdre.hall@noaa.gov).

On September 15, Scott Kathey lead a second teleconference between MPWC Working Group members to discuss a proposal to authorize an MPWC rescue patrol at the Mavericks surf break during periods when only paddle surfers are present. Scott drafted a "straw" action plan item for further discussion by the group.

Comments were provided on the draft Coast Highway Management Plan released by Caltrans, in writing and at a September 12<sup>th</sup> Steering Committee meeting, relative to establishing a timeline for taking preventive measures to reduce landslide disposal needs and increasing characterization of the marine environment. The draft plan is nearing completion in November after several years of work with their multistakeholder group. For more information, contact Holly Price at (831) 647-4247.

On September 10th, Chris Coburn gave a talk to approximately 25 members of the Monterey Bay Area Chapter of the Association of Environmental Professionals (AEP) and American Planning Association (APA) at the Green Valley Grill in Watsonville. The talk consisted of an overview of the Monterey Bay National Marine Sanctuary, with a particular emphasis on the Water Quality Protection Program and structural / nonstructural controls for improving urban water quality. For more information, contact Chris at (831) 420-1670.

On September 10th, Katie Siegler and Chris Coburn met with representatives from the Central Coast Regional Water Quality Control Board, The California Farm Bureau, the Watershed Institute, Granite Canyon Labs, and UC Davis, to discuss the development of a monitoring program should the board adopt an agricultural waiver or permit. For more information, contact Katie at (831) 647-4219.

Deirdre Hall will be representing the MBNMS at the Workshop on the Management Needs to Minimize Vessel Collisions with Whales taking place at the Hawaiian Islands Humpback Whale National Marine Sanctuary during the week of September 3rd.

Scott Kathey and Aaron King served as NOAA Administrative Divers on the *R/V Shearwater* research cruise from September 15-21 to monitor dive operations and assure that NOAA dive protocols were implemented. For more information, contact Scott at (831) 647-4201.

On June 20, NOAA OLE issued a press release about a \$21,000 fine issued to the Pelagic Shark Research Foundation for violating terms of an MBNMS research permit by luring white sharks

in a manner and for purposes not authorized. Articles about the violation and fine have appeared in the Monterey County Herald, Santa Cruz Sentinel, and San Jose Mercury News. The Associated Press has also circulated an article on the case.

On September 24th, Governor Gray Davis signed two bills, AB 121, and AB 906, that ban cruise ships from discharging certain wastes into all state waters, and also request that the state's four national marine sanctuaries do the same. The two bills, which ban the discharge of sewage sludge, oily bilgewater, and hazardous waste, are “watered down” versions of the original bills, which would have also banned release of graywater, and both treated and untreated sewage. In that the legislation asks California’s National Marine Sanctuaries to adopt similar prohibitions. MBNMS will coordinate with other sites on next steps. For more information, contact Brad at [brad.damitz@noaa.gov](mailto:brad.damitz@noaa.gov).

On September 24<sup>th</sup>, Huff McGonigal attended a constituent session in San Francisco hosted by the head of NOAA Fisheries, Dr. Bill Hogarth. Issues involving the central coast marine sanctuaries were a focus of public comment and discussion, with particular emphasis on the need for increased coordination and cooperation between NOAA Fisheries and NOS. For more information, contact Huff at (831) 647-4254.

Deirdre Hall attended a meeting hosted by ERG environmental services to discuss the peer review selection process of the Comparative Risk Assessment of Dredged Material Management Alternatives for Moss Landing Harbor. This effort has been underway for several years per a congressional recommendation. The USACE, the USEPA, and the Moss Landing Marine Labs were also in attendance. Recommendations to ERG included clearly defining the goals of this effort. For more information, contact Deirdre at [Deirdre.Hall@noaa.gov](mailto:Deirdre.Hall@noaa.gov).

Chris Coburn, Huff McGonigal and Holly Price conducted a meeting in Monterey with the signatories to the Water Quality Protection Program's Memorandum of Agreement. This meeting followed up on previous individual meetings that the Sanctuary held with each agency, and served as a forum for the agencies to refine the topics and goals for the MOA revision. For more information, contact Chris at (831) 420-1670.

Chris Coburn attended the Monterey Bay Region Stormwater Information Network meeting and presented an overview of the Sanctuary's ongoing education and outreach, public participation, and technical training programs initiated through the WQPP's Urban Runoff Action Plan. The Network is a forum for Municipal Non Point Discharge Elimination System (NPDES) permit holders designed to provide an informal arena for permittees to discuss issues related to implementation of the Municipal NPDES permit program. For more information, contact Chris at (831) 420-1670.

Bridget Hoover and Chris Coburn worked with the Granite Canyon Marine Pollution lab to collect 15 samples from local storm drains for dry weather toxicity analysis. This was a follow up to last year's First Flush (wet weather) toxicity analysis at the same locations. For more information, contact Bridget Hoover at (831) 883-9303.

Bridget Hoover provided training and equipment to 20 individuals for the upcoming First Flush monitoring event. For more information, contact Bridget at (831) 883-9303.



Volunteers detected an ongoing discharge of chlorinated water to the City of Pacific Grove's storm drain system during Urban Watch dry weather monitoring. The leak, first detected on August 27th, was identified by investigating upstream from where the detections first occurred using established urban watch methods. City and County officials were notified of the problem and will take the lead to ensure the discharge is mitigated. For more information, contact Bridget Hoover at (831) 883-9303.

Bridget Hoover and Katie Siegler attended the initial planning meeting of the Integrated Watershed Restoration Program for Santa Cruz County to discuss roles in helping to carry out on the ground restoration efforts that protect water quality and wildlife habitat. For more information, contact Katie at (831) 647-4219.

Holly Price traveled to Silver Spring for a two day meeting with headquarters staff on P.P.B.S. For more information contact Holly at (831) 647-4247.

Holly Price and Huff McGonigal met with Monterey County Supervisor Dave Potter regarding addressing Sanctuary concerns in the Monterey County General Plan Update. Issues discussed included desalination, coastal armoring, beach closures, and the Sanctuary's Big Sur Coastal Ecosystem Plan. For information contact, Holly at (831) 647-4247 or Huff at (831) 647-4254.

Brad Damitz attended the fifth and final meeting of the California Water Desalination Taskforce, which was held in Sacramento on September 24th and 25th. The purpose of the meeting was to finalize a list of Taskforce findings and recommendations, to be included in a report that will be distributed to the state legislature. The task force was created by state legislation, to investigate the opportunities and impediments to the use of desalination for some of the state's water supply, as well as what role, if any, the state should play regarding desal. For more information, contact Brad at [brad.damitz@noaa.gov](mailto:brad.damitz@noaa.gov).

### **Special Events**

On Wednesday, July 23, the Monterey Bay National Marine Sanctuary Threatened and Thriving Natural History Series presented Dr. Guy Oliver and Patricia Morris for “Elephant Seals: From Threatened to Thriving, the Deep Way.” The lecture was held at the Cambria Veteran's Memorial Hall from 7 - 9 pm. Seaberry Nachbar represented MBNMS as the host of this event. Dr. Oliver is a research associate at UCSC's Long marine lab. Patricia Morris is assistant director of U.C.'s Ano Nuevo reserve. For more information, call MBNMS at (831) 647-4201.

On September 13<sup>th</sup>, the Sanctuary hosted the latest installment of the Threatened and Thriving Natural History Series at the Seymour Center in Santa Cruz. This event featured speakers Patricia Morris and Guy Oliver, whose talk was entitled “Elephant Seals: From Threatened to Thriving, The Deep Way.” An estimated sixty-four people attended the lecture. For more information, contact Chris Coburn at (831) 420-1670.

Fifteen California Rangers and Wardens and one Coast Guard boarding officer completed an 8-hour Sanctuary enforcement course on June 12 in San Simeon. The state peace officers will soon be deputized as Sanctuary Enforcement Officers by NOAA OLE with authority to enforce

the NMSA, MMPA, ESA, and Lacey Act within the MBNMS. The training also provided basic instruction for several Wardens who will assist the CINMS with enforcement in the future. The MBNMS is planning an identical training session for 30-40 additional Wardens and Rangers in the northern Sanctuary region to occur at the end of July.

On August 16, 2003 Bill Douros, Deirdre Hall, and Irina Kogan participated in the locally sponsored “Missing Links” bike ride as part of the community’s efforts to develop a Sanctuary Scenic Trail from Santa Cruz to Monterey. Approximately 150 riders met at Moss Landing Marine Laboratory, after riding through the “Missing Links” of the bike trail. Congressman Farr spoke to the group, as did Bill Douros and SAC Chair Stephanie Harlan.

On September 20, Michele Roest, Dawn Hayes, Liz Love and Nicole Capps hosted an MBNMS sponsored Oceans Fair to follow Coastal Cleanup Day at William Randolph Hearst Memorial State Beach, San Simeon, 10 am to 2 pm. There were booths and tables provided by local environmental agencies and organizations, live music, Kayak Fun Day and other fun activities. Michele was the coordinator for 5 beaches in the Cambria and San Simeon area. For more information, contact Michele (805) 927-2145.

The Sanctuary participated in the 11th annual Shark Festival and Sanctuary Celebration on Saturday, Sept 27 in the City of Santa Cruz. Booths from both Monterey Bay and Gulf of the Farallones were present as were Mayor Emily Reilly and Michael Warren from State Senator Bruce McPhearson's office. Both spoke as local dignitaries and Superintendent William Douros announced the proposed location for the Sanctuary Interpretive Center at the event. The Channel Islands NMS *R/V Shearwater* participated in the festivities, by hosting MBNMS Advisory Council Members and members of the Monterey Bay Crescent Oceanographic Research Consortium for short informational tours. For more information, contact Dawn Hayes at (831) 647-4256.

### **Significant News Coverage**

On Tuesday, July 29<sup>th</sup> Bill Douros was interviewed on KUSP radio, Central California NPR, regarding the Management Plan Review.

“Bad Vibrations, Surfers battle enviro-surfers over a proposed jet-ski ban that would protect wildlife -- but threaten big-wave surfing at the legendary break known as Maverick's” By Matt Palmquist, SF Weekly, 9/5/03

“Senate passes dumping ban bills” by Associated Press, Monterey County Herald, 9/9/03

“Coastal Cleanup Day needs some volunteers” Santa Cruz Sentinel, 9/17/03

“New plans for sea rules” by Andrew Scutro, Coast Weekly, 6/19/03

“No sanctuary; Proposed visitor center spawns acrimony in Aptos” by Erin M. Kelly, Good Times, 6/19/03

“Marine sanctuary wades into sea of federal fish regulation; Group will ask fisheries

management council to ban krill harvesting in Monterey Bay” by Amelia Hansen, San Mateo County Times, 6/20/03

“Protest greets cruise ship” by Clarissa Aljentera, Monterey County Herald, 6/20/03

“NOAA takes bite out of shark research group” by Brian Seals, Santa Cruz Sentinel, 6/21/03

“Shark group draws big fine” by Clarissa Aljentera, Monterey County Herald, 6/21/03

“Foundation fines \$21,000 for luring shark” by Don Thompson, Contra Costa Times, 6/21/03

“Foundation lured white shark, U.S. says group says it was doing legal research” by Don Thompson, The Mercury News, 6/22/03

On June 17, 2003 the press release on the MBNMS Proposed Action Plan Report to the SAC was cleared and distributed to the news media. The release highlighted the upcoming SAC meetings and the ways the public can participate. For more info, contact Rachel at 647-4237.

“Surfboard towing creates controversy; Opponents want craft banned in sanctuary” by Marilee Enge, San Jose Mercury News, 6/25/03

“Document outlines changes; Panel eyes changes” by Dennis Moran, Monterey County Herald, 6/26/03

“Tow-in surfing making waves; Jet Skis create culture clash” by Marilee Enge, San Jose Mercury News, 6/26/03

“State seeks to control desalination project; PUC suggested as lead agency over Moss Landing” by Jonathan Segal, Monterey County Herald, 7/18/03

“County should stay involved in desal plant” Herald’s View, Monterey County Herald, 7/21/03

“Runoff responsibility; Agricultural industry needs stricter regulation to preserve our ocean’s health” by Kaitilin Gaffney, Monterey County Herald, 7/20/03

“Forging a partnership for water-quality protection” by Dawn Mathes and Bob Martin, Monterey County Herald, 7/20/03

“Fishing for solutions” by Frank Emerson, Monterey County Herald, 7/20/03

“Reserves will preserve the sanctuary” Guest Commentary by Mike Osmond, Monterey County Herald, 7/27/03

“Base marine reserves on sound scientific data” Guest Commentary by Mike Ricketts, Monterey County Herald, 7/27/03

“Process to protect marine areas needed” Herald’s View, Monterey County Herald, 7/27/03

“Is the Sanctuary Advisory Council inclusive or in Washington’s grip?; Sanctuary review does not reflect the public” Guest Commentary by Karin Strasser-Kauffman, Ruth Vreeland and Robert De Voe, Monterey County Herald, 7/27/03

“Is the Sanctuary Advisory Council inclusive or in Washington’s grip?; Process must honor taxpayers” Guest Commentary by Stephanie Harlan, Richard Nutter and Dan Haifley, Monterey County Herald, 7/27/03

On Monday, July 28, KSBW television interviewed Rachel Saunders, Community & Public Relations Coordinator, regarding the Sanctuary Visitor Center. For more information, contact Rachel at (831) 647-4237.

On Sunday, July 27, Bill Douros interviewed with KCBS radio in San Jose regarding Motorized Personal Watercraft related to the Management Plan Review.

“Monterey considers erosion strategy” by Dan Laidman, Monterey County Herald, 8/2/03

“Judge limits use of new sonar system” by David Kravets, Monterey County Herald, 8/27/03

“A green machine? Staff touts environmental soundness of cruise ship” by Dan Laidman, Monterey County Herald, 8/31/03

“Stick to the facts” Letter to the Editor in response to July 27 commentary on Marine Reserves, Monterey County Herald, 8/31/03

“Vote to protect reserves” Letter to the Editor, Monterey County Herald, 8/31/03

“Give SAC more authority” Letter to the Editor, Monterey County Herald, 8/25/03

“Watson affiliation fishy” Letter to the Editor, Monterey County Herald, 8/25/03

“Monterey Bay National Marine Sanctuary’s Team Ocean is growing” by M.L. Fischer, news email from Pelican Network, 8/25/03

“Monterey Bay marine sanctuary to get \$5.7 million visitors center; Plans for Santa Cruz: Funds still needed to build a \$5.7 million facility for national marine park” by Paul Rogers, San Jose Mercury News, 9/27/03

“Major center proposed for sanctuary; Santa Cruz site would serve as hub for Monterey Bay visitors” by Paul Rogers (San Jose Mercury News), Monterey County Herald, 9/27/03

“Visitor center to be built at Fun Spot” by Robyn Moormeister, Santa Cruz Sentinel, 9/28/03

“Monterey Bay National Sanctuary: Poison Candy?” by Joanne Nathan, Sierra Times.

“Struggling to stay afloat; Moss Landing Harbors’ sagging economic health could be bolstered

by funding from Monterey County” by Brandy Underwood, Monterey County Herald, 9/29/03

“Research ship coming to North Coast has county connection” by Kathe Tanner, San Luis Obispo Tribune, 9/22/03

“Montebello crew member tours research ship examining tanker’s wreckage” by Kathe Tanner, San Luis Obispo Tribune, 9/25/03

“Back to the morning of Dec. 23, 1941; A survivor of the Montebello’s sinking in World War II comes back to the area to mark the conclusion of two days of dives to examine the wreckage” by Kathe Tanner, San Luis Obispo Tribune, 9/26/03